

## METHODS FOR PURIFYING NUCLEIC ACIDS

### ABSTRACT

Methods are provided for producing highly purified compositions of nucleic acids by using a highly streamlined and readily automated process. The methods use static mixers for lysing cells and precipitating debris, followed by centrifugation and ion exchange chromatography. The process may include a purification step using tangential flow ultrafiltration. A scaleable process for producing pharmaceutical grade plasmid DNA, useful for gene therapy, is provided.

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